Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

me of Work: Improvements to roads and drains at Ambedkar Nagara and surrounding area in ward no:05 Yelahanka New Town Sub Division

							Estimate Cost		25.00 Lakhs
	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Removing and Resetting of Footpath Slab (Approved Rate)								
	Approved Basic Rate	235.00							
	Area Weightage 10%	23.50							
	Total Rate	258.50							
	Desilt								
	Ambedkar Nagara								
	Cross Rd-1	2	127.00	0.90		228.60			
	Cross Rd-2	2	190.00	0.90		342.00			
	Cross Rd-3	2	225.00	0.90		405.00			
	Cross Rd-4	2	175.00	0.90		315.00			
	Cross Rd-5	2	150.00	0.90		270.00			
						1560.60			
	Deduct/Missing Slab 30%					468.18			
						1092.42	Sqm	258.50	282390.57
2	Earth work **excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum.(Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22) & (V-III Page No.3, Item No.1.1 A of PWD SR 2021-22)								
	Basic Rate	186.00							
	Loading And Unloading	118.00							
	Sub Total	304.00							
	Area Weightage 10%	30.40							
	Total Rate	334.40							
	Desilt								
	Ambedkar Nagara								
	Cross Rd-1	2	127.00	0.60	0.45	68.58			
	Cross Rd-2	2	190.00	0.60	0.40	91.20			
	Cross Rd-3	2	225.00	0.60	0.45	121.50			
	Cross Rd-4	2	175.00	0.60	0.40	84.00			
	Cross Rd-5	2	150.00	0.60	0.45	81.00			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
					446.28	Cum	334.40	149236.03
Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 20 mm nominal** size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.4 of PWD SR 2021-22)(Issue rate on 07-07-22)									
Basic Rate	**5728.00**							
Area Weightage 10%	**572.80**							
Total Rate	**6300.80**							
RCC Drain Bed Correction								
Ambedkar Nagara								
Cross Rd-1	2	127.00	0.60	0.10	15.24			
Cross Rd-2	2	190.00	0.60	0.10	22.80			
Cross Rd-3	2	225.00	0.60	0.10	27.00			
Cross Rd-4	2	175.00	0.60	0.10	21.00			
Cross Rd-5	2	150.00	0.60	0.10	18.00			
					104.04	Cum	6300.80	655535.23
Providing and fixing precast reinforced cement concrete **covering slabs of 10Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)									
Basic Data Rate	**2072.00**							
Missing/ Damaged Qty From Item					468.18			
					468.18	Sqm	2072.00	970068.96
Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km(V-III Page No.3, Item No.1.4A of PWD SR 2021-22)								
Basic Rate	**12.00**							
8KM Lead = 12*8	**96.00**							
Area Weightage 10%	**9.60**							
Total Rate	**105.60**							
Qty frm Item No-1		446.3	1.28		571.24			
					571.24	t.Km	105.60	60,322.78

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
							Total Construction Cost	2117553.57
							18% GST for Construction Cost	381159.64
							Sub Total	2498713.21
							Utility Shifting,Miscellaneous and Rounding off	1,286.79
							GRAND TOTAL	2500000.00

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The workspot was inspected and works is found to be necessary.

The area comes within the Bruhat Bangalore Mahanagara Palike limits.

The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022,

sue rates dated 07-07-2022 and Data Rates

Assistant Engineer
Ward No-05
BBMP Bangalore

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Asst. Executive Engineer,
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Approval

Accorded For 25.00 Lakhs
Head of A/C P-3726
CER NO :89 Dt:22/8/2022

TA CE (Y&K)

Technical Sanction

Accorded For 25.00 Lakhs.
Head of A/C P-3726
CER NO :92 Dt:22/8/2022